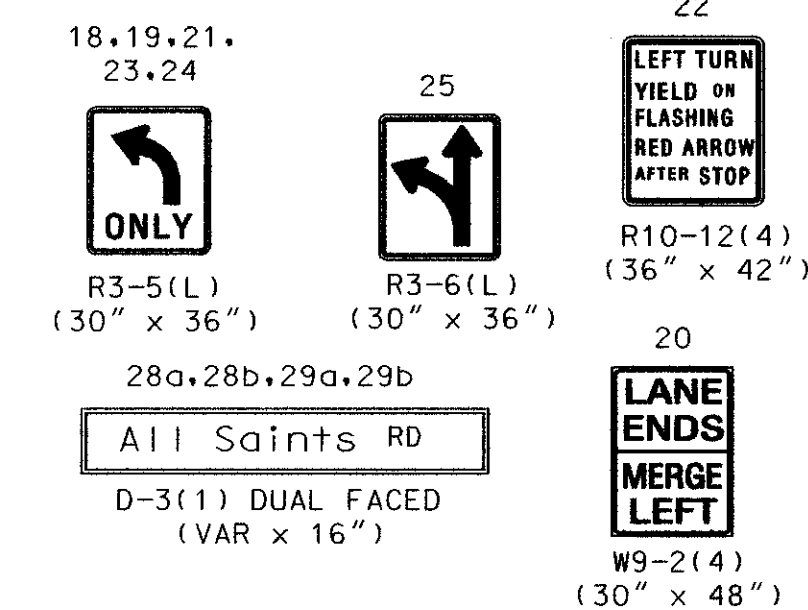
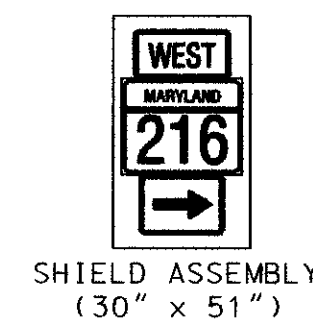
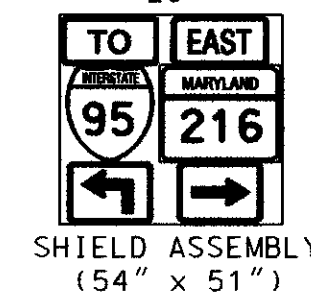


MD 216 is assumed to run in an east-west direction

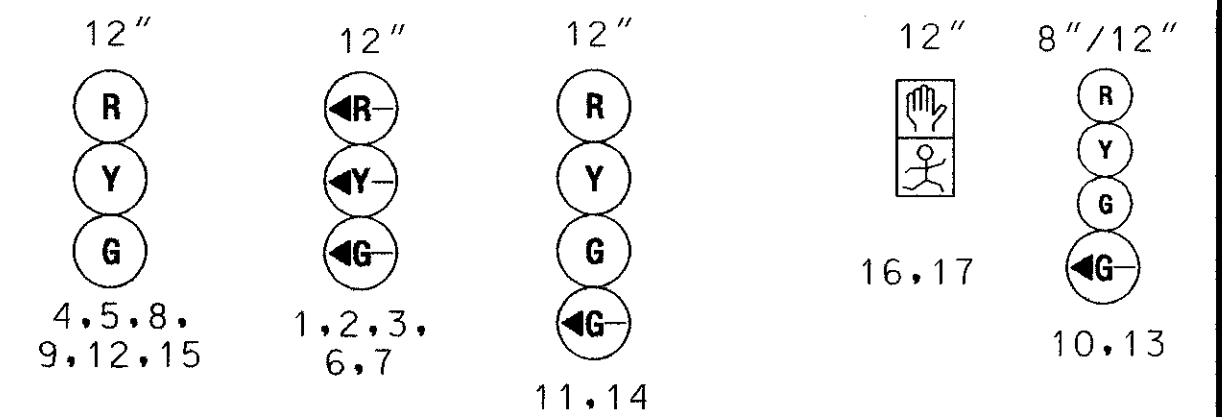
#### PROPOSED SIGNS



SHIELD ASSEMBLY  
(48" x 75")

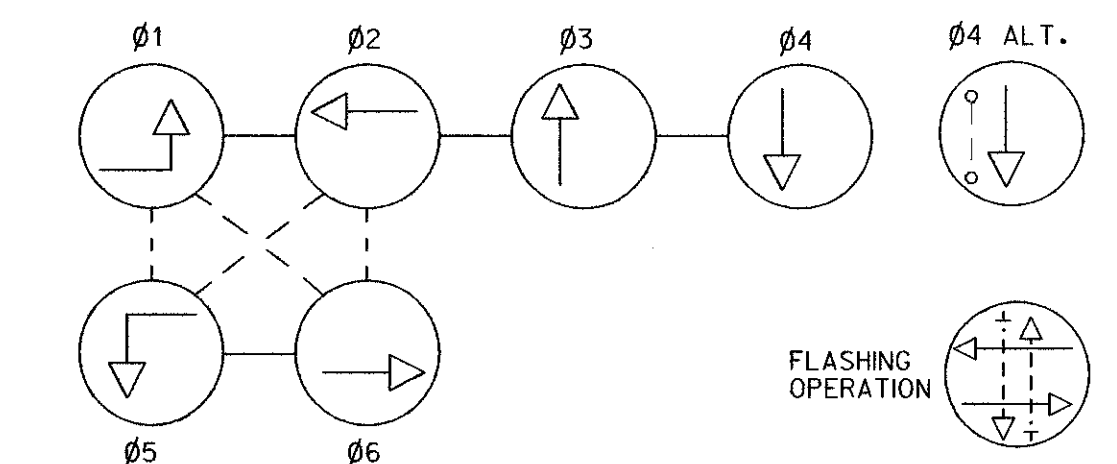


#### PROPOSED BLACK-FACED TRAFFIC SIGNAL HEADS



#### PROPOSED VIDEO DETECTION CAMERAS

a,b,c,d



#### PHASING NOTES

PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY  
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

#### CONSTRUCTION DETAILS

- Install NEMA size "6" base mounted cabinet and controller with all necessary equipment (including control and distribution equipment for underground power feed). (Note: 2-4" and 2-2" PVC schedule 80 conduit bends) Pull all electrical cables into controller cabinet and properly tag/label each cable. All internal wiring shall be conducted by SHA forces.
- Install 10' breakaway pedestal pole with traffic signal head, pedestrian signal, pushbutton and R10-4(1) sign to read "Push Button to Cross Scaggsville Rd". Install 1-2" schedule 80, 90 degree PVC conduit bend in pole base.
- Install 27' steel pole with twin 50'/60' mast arms, and 10' luminaire arm, 250 watt HPS luminaire with photocell, and video detection camera (anchor bolts 2" x 90").
- Install 27' steel pole with twin 50'/50' mast arms, and 10' luminaire arm, and 250 watt HPS luminaire with photocell, pedestrian signal, pushbutton and R10-4(1) sign to read "Push Button to Cross Scaggsville Rd". and video detection camera (anchor bolts 2" x 90").

#### CONSTRUCTION DETAILS (CONT.)

- Install handhole.
- Install 2-4" schedule 80 PVC conduits (trenched).
- Install 2" schedule 80 PVC conduit (trenched).
- Install 4" schedule 80 PVC conduit (bored).
- Install 3" schedule 80 PVC conduit (trenched).
- Install Non-invasive micro-probe.
- Remove existing strain pole, span wire, traffic signal heads and signs.
- Remove existing cabinet and controller. See Equipment List "C".
- Abandon existing loop detectors.
- Remove existing handhole, cap and abandon attached conduit.
- Remove existing pedestal pole, pedestrian heads, signs, and all related hardware.
- Install 4" schedule 80 PVC conduit (trenched) for BG&E service and 2" schedule 80 PVC conduit (trenched) for phone service.
- Install 3" schedule 80 PVC conduit (bored).

#### UTILITY LEGEND

G — GAS MAIN  
W — WATER MAIN  
S — SEWER MAIN  
E — ELECTRIC CABLES  
A — AERIAL CABLES  
T — TELEPHONE CABLES

#### WELLS & ASSOCIATES, LLC

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1700 Jennifer Rd., Suite 260  
Annapolis, MD 21401  
Phone: (301) 970-2402 Fax: (410) 266-9189

#### GENERAL NOTES

- Construction shall be completed in accordance with the Maryland Department of Transportation State Highway Administration's Standard Specifications for Construction and Materials (January 2001) and all amendments and the Book of Standard highway and incidental structures.
- All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the project Engineer immediately so that the conflict may be resolved.
- The Contractor shall confirm the location of proposed geometrics prior to the installation of the new signal equipment.
- Pavement markings detailed are proposed. A comprehensive signing and pavement marking plan is to be prepared by others.
- All traffic signal equipment shall be installed to final grade.
- A comprehensive signing and pavement marking plan to be prepared by others (see sheet 87 of 91).
- All existing handholes are to be removed and all existing conduit is to be capped and abandoned.
- Contractor shall not block the visibility of the existing signal heads during construction.

REVISIONS	APPROVALS
1. RECONSTRUCT SIGNAL DUE TO NEW GEOMETRICS AND ADD EASTBOUND LEFT TURN LANE 05/03	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
2. MODIFY LEFT-TURN PHASING ON MD 216 AND SPLIT ALL SAINTS ROAD 9/98	ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
3. ADD E/P PHASING ON MD 216 3/92	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION  
TRAFFIC SIGNAL RECONSTRUCTION PLAN  
MD 216 AND ALL SAINTS ROAD

DRAWN BY: WTB  
CHECKED BY: LES  
SCALE: 1" = 20'  
DATE: 05/27/03

F.A.P. NO. N/A  
S.H.A. NO. PERMIT B-HO-7794-00  
COUNTY: HOWARD  
LOG MILE: 130021600.64

TS NO. TS-10040  
T.I.M.S. NO. F355  
SHEET NO. 80 OF 91